The parent application also discusses methods for obtaining phosphate free culture media. In addition, the present application demonstrates the removal of phosphate from culture media via chemical precipitation. Since I have shown thio-phosphate can be incorporated into either DNA or RNA this is a logical extension of my work.

Claim 10 concerns a method for enhancing protein expression by manipulating the ratio of thio-phosphate to phosphate in the growth media. The mechanism of action of stabilization via thio-phosphate is not promoter specific and populations of mRNAs are affected. This concept is reiterated in the specification. Furthermore the modification enables one to enrich less stable mRNAs relative to more stable mRNAs. At a particular ratio gene products from highly stable mRNAs may even be inhibited while less stable mRNA gene products are enhanced. The patent application does demonstrate an increase in more than one protein in yeast at the same ratio of thio-phosphate to phosphate. The bacterial AP gene product is enhanced the most in yeast presumably because it is a heterologous gene product and its mRNA is not as stable as those corresponding to other natural gene products tested. The use of the word global was selected simply to reflect populations of mRNAs with similar half-lives. I have changed the wording of the claim to better reflect this.

Claim 13 is described in the specification in particular in reference to using the invention to enhance biocatalytic reactions. This can be accomplished by overcoming a rate limiting step in a series of enzymatic reactions by increasing the levels of the enzyme or enzymes responsible for the rate limiting reaction. This application of the invention is discussed and described in the original and current specification.

Please incorporate the revised claims amendments listed below.
I wish to declare and make a verified statement that the modified claims include no new matter as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825 (d).

Respectfully submitted,

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